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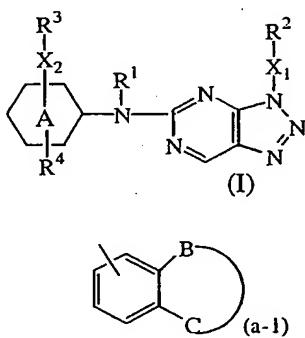
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(54) Title: TRIAZOLOPYRIMIDINE DERIVATIVES AS GLYCOCEN SYNTHASE KINASE 3 INHIBITORS



(57) Abstract: This invention concerns compounds of formula (I) a N-oxide, a pharmaceutically acceptable addition salt, a quaternary amine and a stereochemically isomeric form thereof, wherein ring A represents phenyl, pyridyl, pyrimidinyl, pyridazinyl or pyrazinyl; R¹ represents hydrogen; aryl; formyl; C₁₋₆ alkylcarbonyl; C₁₋₆ alkyl; C₁₋₆ alkyloxycarbonyl; C₁₋₆ alkyl substituted with formyl, C₁₋₆alkylcarbonyl, C₁₋₆alkyloxycarbonyl, C₁₋₆alkylcarbonyloxy; or optionally substituted C₁₋₆ alkyloxyCl-6alkylcarbonyl; X₁ represents a direct bond; -(CH₂)_{n3}- or -(CH₂)_{n4}-X_{1a}-X_{1b}; R² represents optionally substituted C₃₋₇CYCloalkyl; phenyl; a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N; benzoxazolyl or a radical of formula (a-1); X₂ represents a direct bond; -NR¹-NR¹-(CH₂)_{n3}-; -O-; -O-(CH₂)_{n3}-; -C(=O)-; -C(=O)- (CH₂)_{n3}-; -C(=O)-NR⁵-(CH₂)_{n3}-; -C(=S)-; -S-; -S(=O)_{n1}-; -(CH₂)_{n3}-; -(CH₂)_{n4}-X_{1a}-X_{1b}; -X_{1a}-X_{1b}-(CH₂)_{n4}-; -S(=O)_{n1}-NR⁵-(CH₂)_{n3}-NR⁵ or -S(=O)_{n1}-NR⁵-(CH₂)_{n3}-; R³ represents an optionally substituted 5- or 6-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N, or a 9- or 10-membered bicyclic heterocycle containing

at least one heteroatom selected from O, S or N; R⁴ represents hydrogen; halo; hydroxy; optionally substituted C₁₋₄alkyl; optionally substituted C₂₋₄alkenyl or C₂₋₄alkynyl; polyhaloC₁₋₃alkyl; optionally substituted C₁₋₄alkyloxy; polyhaloC₁₋₃alkyloxy; C₁₋₄alkylthio; polyhaloC₁₋₃alkylthio; C₁₋₄alkyloxycarbonyl; C₁₋₄alkylcarbonyloxy; C₁₋₄alkylcarbonyl; polyhaloC₁₋₄alkylcarbonyl; nitro; cyano; carboxyl; NR⁹R¹⁰; C(=O)NR⁹R¹⁰; -NR⁵-C(=O)-NR⁹R¹⁰; -NR⁵-C(=O)-R⁵; -S(=O)_{n1}-; R¹¹-NR⁵-S(=O)_{n1}-; R¹¹-S-CN; -NR⁵-CN; their use, pharmaceutical compositions comprising them and processes for their preparation.

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